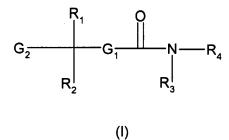
## **AMENDMENTS TO THE CLAIMS**

### IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Please amend the claims as follows:

1. (Previously Presented) A compound of Formula (I):



wherein

 $G_1$  is  $(CH_2)_k$ , where k is 1 to 3;

G<sub>2</sub> is

- a) hydrogen
- b)  $C_{1-6}$  alkyl;
- c) -aryl;
- d)  $-C_{1-6}$  alkylaryl;
- e)

where R<sub>5</sub> and R<sub>6</sub> are independently selected from the group consisting of

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 3 of 31

- ii) -C<sub>1-6</sub> alkyl;
- iii) -aryl;
- iv) -C<sub>1-6</sub> alkylaryl;
- v)  $-C(O)-O-C_{1-6}$  alkyl;
- vi)  $-C(O)-O-C_{1-6}$  alkylaryl;
- vii) -C(O)-O-C<sub>1-6</sub> alkylcycloalkylaryl;
- viii) -C(O)-NH-C<sub>1-6</sub> alkyl;
- ix)  $-C(O)-NH-C_{1-6}$  alkylaryl;
- x)  $-SO_2-C_{1-6}$  alkyl;
- xi) -SO<sub>2</sub>-C<sub>1-6</sub> alkylaryl;
- xii) -SO<sub>2</sub>-aryl;
- xiii) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkyl;
- xiv) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkylaryl;

xv) 
$$NR_7$$
 NHR<sub>8</sub>;

- xvi)  $-C(O)-C_{1-6}$  alkyl; and
- xvii) -C(O)-C<sub>1-6</sub> alkylaryl; or
- f) a group of the formula

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 4 of 31

### wherein

R<sub>9</sub>, R<sub>10</sub>, and R<sub>11</sub> are independently selected from the group

# consisting of

- i) -hydrogen;
- ii)  $-C_{1-6}$  alkyl;
- iii) -aryl;
- iv) -C<sub>1-6</sub> alkylaryl;
- v)  $-C(O)-O-C_{1-6}$  alkyl;
- vi) -C(O)-O-C<sub>1-6</sub> alkylaryl;
- vii)  $-C(O)-NH-C_{1-6}$  alkyl;
- viii) -C(O)-NH-C<sub>1-6</sub> alkylaryl;
- ix)  $-SO_2-C_{1-6}$  alkyl;
- x)  $-SO_2-C_{1-6}$  alkylaryl;
- xi) -SO<sub>2</sub>-aryl;
- xii) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkyl;
- xiii) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkylaryl;
- xiv)  $-C(O)-C_{1-6}$  alkyl; and
- xv)  $-C(O)-C_{1-6}$  alkylaryl; or

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 5 of 31

 $R_{10}$  and  $R_{11}$  are taken together to constitute a fused cycloalkyl, fused heterocyclyl, or fused aryl ring containing the atoms to which  $R_{10}$  and  $R_{11}$  are bonded;

 $R_1$  is

- a) hydrogen;
- b)  $-C_{1-6}$  alkyl;
- c) -aryl; or
- d) -C<sub>1-6</sub> alkylaryl;

R<sub>2</sub> is

- a)  $-C_{1-6}$  alkyl;
- b) -aryl;
- c) -C<sub>1-6</sub> alkylaryl; or
- d) a group of the formula

$$Q_1$$
  $(CH_2)n$   $X$   $(CH_2)m$ 

wherein m and n are independently selected from 1, 2, 3, or 4; X is a direct bond,  $CH_2$ -, -O-, -S-,  $-S(O_2)$ -, -C(O)-, -C(O)-, -NHC(O)-, -NHC(O)-, -NHC(O)-,  $-NHSO_2$ -,  $-SO_2N(H)$ -, -C(O)-O-, -O--C(O)-,  $-NHSO_2NH$ -,

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 6 of 31

-Q<sub>1</sub>- is C<sub>1-6</sub> alkylene, C<sub>2-6</sub> alkenylene, or C<sub>2-6</sub> alkynylene;

R<sub>3</sub> is

- a) hydrogen;
- b)  $-C_{1-6}$  alkyl;
- c) -C<sub>1-6</sub> alkylaryl; or
- d) -C<sub>1-6</sub> alkoxyaryl;

R<sub>4</sub> is

a) 
$$-C_{1}-C_{6}-alkyl-NR_{14}R_{15}$$

c) 
$$L-C_1-C_6$$
-alkyl-NR<sub>14</sub>R<sub>15</sub>

wherein L is -CH<sub>2</sub>-, -O-, -N(H)-, -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 7 of 31

 $R_{36}$  and  $R_{37}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl

 $R_{12}$  and  $R_{13}$  are independently selected from the group consisting of hydrogen,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl, and aryl;

 $R_{40}$  and  $R_{41}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl; and

wherein

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 8 of 31

the aryl and/or alkyl group(s) in R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub>, and R<sub>13</sub> may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b) -Y-C<sub>1-6</sub> alkyl; -Y-aryl; -Y-C<sub>1-6</sub> alkylaryl; -Y-C<sub>1-6</sub>-alkyl-NR<sub>14</sub>R<sub>15</sub>; -Y-C<sub>1-6</sub>-alkyl-W-R<sub>16</sub>;

wherein Y and W are independently selected from the group consisting of -CH<sub>2</sub>-, -O-, -N(H), -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

 $R_{16}$ ,  $R_{17}$ , and  $R_{18}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, and carboxyl; and

 $R_{14}$  and  $R_{15}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl; or

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 9 of 31

 $R_{14}$  and  $R_{15}$  are taken together to form a ring having the formula  $-(CH_2)_0$ -Z- $(CH_2)_p$ -bonded to the nitrogen atom to which  $R_{14}$  and  $R_{15}$  are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z is a direct bond,  $-CH_2$ -, -O-, -S-,  $-S(O_2)$ -, -C(O)-, -C

 $R_{19}$  and  $R_{20}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl,

or a pharmaceutically acceptable salt thereof.

- 2. (Canceled)
- 3. (Canceled)
- 4. (Previously Presented) The compound of claim 1, represented by Formula (Ic):

$$G_2$$
 $R_2$ 
 $R_3$ 
 $R_3$ 
 $R_3$ 

wherein,

 $R_1$  is hydrogen, or  $C_{1-3}$  alkylaryl wherein the aryl is substituted with -Y-C-<sub>1-6</sub> alkylaryl;

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 10 of 31

R<sub>2</sub> is C<sub>1-3</sub> alkylaryl wherein the aryl is substituted with -Y-C-<sub>1-6</sub> alkylaryl,

wherein Y is -CH<sub>2</sub>-, -O-, -N(H), -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

$$R_{17}$$
  $R_{17}$   $R_{17}$   $R_{17}$   $R_{17}$   $R_{17}$   $R_{18}$   $R_{18}$   $R_{18}$ 

 $R_{17}$ , and  $R_{18}$  independently is hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy, or  $C_1$ - $C_6$  alkoxyaryl,

or a pharmaceutically acceptable salt thereof.

5. (Previously Presented) The compound of claim 1, represented by Formula (Id):

$$G_{2} \xrightarrow{R_{1}} G_{1} \xrightarrow{O} \underset{R_{3}}{N-R_{4}}$$

$$(Id)$$

wherein,

 $R_1$  is hydrogen, or  $C_{1-3}$  alkylaryl wherein the aryl is substituted with -Y-C-<sub>1-6</sub> alkylaryl;

R<sub>2</sub> is C<sub>1-3</sub> alkylaryl wherein the aryl is substituted with -Y-C-<sub>1-6</sub> alkylaryl;

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 11 of 31

$$R_{17}$$
  $R_{17}$   $R_{17}$   $R_{17}$   $R_{18}$   $R_{18}$   $R_{18}$ 

 $R_{17}$ , and  $R_{18}$  independently is hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy, or  $C_1$ - $C_6$  alkoxyaryl;

 $R_3$  is hydrogen or  $-L-C_{1-6}$ -alkyl-N(alkyl)<sub>2</sub>;

R<sub>14</sub> and R<sub>15</sub> are alkyl; and

wherein L is -CH<sub>2</sub>-, -O-, -N(H)-, -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

$$R_{36}$$
  $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{37}$   $R_{37}$ 

 $R_{35}$ ,  $R_{36}$ , and  $R_{37}$  independently are hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy, or  $C_1$ - $C_6$  alkoxyaryl, or a pharmaceutically acceptable salt thereof.

- 6. (Canceled)
- 7. (Canceled)
- 8. (Canceled)
- 9. (Canceled)
- 10. (Canceled)

- 11. (Previously Presented) The compound of claim 1, wherein the compound is 3-(4-Benzyloxyphenyl)propionic Acid 2,4-Di-(3-Diethylamino-1-propoxy)aniline Amide or a pharmaceutically acceptable salt thereof.
- 12. (Previously Presented) The compound of claim 61, wherein the compound is 3-(3-Tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.
- 13. (Previously Presented) The compound of claim 62, wherein the compound is 3-(3-Tert-butoxyphenyl)-3-aminopropionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.

Claims 14 - 17. (Canceled)

- 18. (Previously Presented) The compound of claim 61, wherein the compound is 3-(4-Tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.
- 19. (Previously Presented) The compound of claim 62, wherein the compound is 3-amino-3-(4-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.
- 20. (Previously Presented) The compound of claim 61, wherein the compound is 3-(9-fluorenylmethoxycarbonylamino)-3-(2-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.
- 21. (Previously Presented) The compound of claim 62, wherein the compound is 3-amino-3-(2-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.

22. (Previously Presented) The compound of claim 62, wherein the compound is 3-Isopropylamino-3-(3-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide or a pharmaceutically acceptable salt thereof.

Claims 23-40. (Canceled)

- 41. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 1 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 42. (Original) The pharmaceutical composition of claim 41, in the form of an oral dosage or parenteral dosage unit.
- 43. (Currently Amended) The pharmaceutical composition of claim 41, wherein the pharmaceutical composition is suitable for administration of said compound is administered as a dose in a range from about 0.01 to 500 mg/kg of body weight per day.
- 44. (Currently Amended) The pharmaceutical composition of claim 41, wherein the pharmaceutical composition is suitable for administration of said compound is administered as a dose in a range from about 0.1 to 200 mg/kg of body weight per day.
- 45. (Currently Amended) The pharmaceutical composition of claim 41, wherein the pharmaceutical composition is suitable for administratoin of said compound is administered as a dose in a range from about 0.1 to 100 mg/kg of body weight per day.
- 46. (Original) The pharmaceutical composition of claim 41, further comprising one or more therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers,

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 14 of 31

analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, insulin, cholinesterase inhibitors, antipsychotics, antidepressants, and anticonvulsants.

- 47. (Withdrawn) A method for the inhibition of the interaction of RAGE with its physiological ligands, which comprises administering to a subject in need thereof, at least one compound of Formula (I) as claimed in claim 1 or a pharmaceutically acceptable salt thereof.
- 48. (Withdrawn) The method of claim 47, wherein the ligand(s) is(are) selected from advanced glycated end products (AGEs), S100/calgranulin/EN-RAGE,  $\beta$ -amyloid and amphoterin.
- 49. (Withdrawn) A method for treating a disease state selected from the group consisting of acute and chronic inflammation, symptoms of diabetes, vascular permeability, nephropathy, atherosclerosis, retinopathy, Alzheimer's disease, erectile dysfunction, and tumor invasion and/or metastasis, which comprises administering to a subject in need thereof a therapeutically effective amount of at least one compound of Formula (I) as claimed in claim 1 or a pharmaceutically acceptable salt thereof.
- 50. (Withdrawn) A method of prevention and/or treatment of RAGE mediated human diseases comprising administration to a human in need thereof a therapeutically effective amount of a compound of Formula (I) as claimed in claim 1, wherein a therapeutically effective amount comprises sufficient compound to at least partially inhibit the binding of a ligand to the RAGE receptor or a pharmaceutically acceptable salt thereof.
- 51. (Withdrawn) The method of claim 50, further comprising administering to a subject in need thereof at least one adjuvant and/or additional therapeutic agent(s).

- 52. (Withdrawn) A method of claim 51, wherein therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers, analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, insulin, cholinesterase inhibitors, antipsychotics, antidepressants, and anticonvulsants.
- 53. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises acute and/or chronic inflammation.
- 54. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises vascular permeability.
- 55. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises nephropathy.
- 56. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises atherosclerosis.
- 57. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises retinopathy.
- 58. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises Alzheimer's disease.
- 59. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises erectile dysfunction.
- 60. (Withdrawn) The method of claim 50, wherein the RAGE mediated human disease comprises tumor invasion and/or metastasis.

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 16 of 31

61. (Previously Presented) The compound of Formula (I) in claim 1 or a pharmaceutically acceptable salt thereof, wherein

G<sub>2</sub> is

wherein

R<sub>5</sub> and R<sub>6</sub> are independently selected from the group consisting of

- i) -H;
- ii)  $-C_{1-6}$  alkyl;
- iii) -aryl;
- -C<sub>1-6</sub> alkylaryl; iv)
- -C(O)-O- $C_{1-6}$  alkyl; v)
- -C(O)-O- $C_{1-6}$  alkylaryl; vi)
- -C(O)-O-C<sub>1-6</sub> alkylcycloalkylaryl; vii)
- $-C(O)-NH-C_{1-6}$  alkyl; viii)
- -C(O)-NH-C<sub>1-6</sub> alkylaryl; ix)
- $-SO_2-C_{1-6}$  alkyl; x)
- -SO<sub>2</sub>-C<sub>1-6</sub> alkylaryl; xi)
- xii) -SO<sub>2</sub>-aryl;
- -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkyl; xiii)
- -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkylaryl; xiv)

$$NR_7$$
 $NHR_8$ 

xv)

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 17 of 31

xvi) 
$$-C(O)-C_{1-6}$$
 alkyl; or

xvii) 
$$-C(O)-C_{1-6}$$
 alkylaryl;

R<sub>1</sub> is

- a) hydrogen;
- b)  $-C_{1-6}$  alkyl;
- c) -aryl; or
- d) -C<sub>1-6</sub> alkylaryl;

R<sub>2</sub> is

- a)  $-C_{1-6}$  alkyl;
- b) -aryl;
- c)  $-C_{1-6}$  alkylaryl; or
- d) a group of the formula

$$Q_1$$
  $(CH_2)n$   $(CH_2)m$ 

wherein m and n are independently selected from 1, 2, 3, or 4; X is a direct bond,  $CH_2$ -, -O-, -S-,  $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-,  $-NHSO_2$ -,  $-SO_2N(H)$ -, -C(O)-O-, -O--C(O)-,  $-NHSO_2NH$ -,

-Q<sub>1</sub>- is C<sub>1-6</sub> alkylene, C<sub>2-6</sub> alkenylene, or C<sub>2-6</sub> alkynylene;

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 18 of 31

### R<sub>3</sub> is

- a) hydrogen;
- b)  $-C_{1-6}$  alkyl;
- c) -C<sub>1-6</sub> alkylaryl; or
- d) -C<sub>1-6</sub> alkoxyaryl;; and

### R<sub>4</sub> is

a) 
$$-C_{1}-C_{6}-alkyl- \underbrace{ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} } C_{1}-C_{6}-alkyl-N(alkyl)_{2}$$
 
$$\underbrace{ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \end{array} } C_{1}-C_{6}-alkyl-N(alkyl)_{2}$$

b) 
$$-C_1-C_6$$
-alkyl $-O$   $-C_1-C_6$ -alkyl-N(alkyl)<sub>2</sub>  $-C_1-C_6$ -alkyl-N(alkyl)<sub>2</sub>; or

c) 
$$L-C_1-C_6$$
-alkyl-N(alkyl)<sub>2</sub>  $L-C_1-C_6$ -alkyl-N(alkyl)<sub>2</sub> .

wherein L is -CH<sub>2</sub>-, -O-, -N(H)-, -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

$$R_{36}$$
  $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{36}$   $R_{37}$ 

 $R_{36}$  and  $R_{37}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl;

Page 19 of 31

 $R_{12}$  and  $R_{13}$  are independently selected from the group consisting of hydrogen,  $C_1$ - $C_6$  alkylaryl, and aryl;

 $R_{40}$  and  $R_{41}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl; and

#### wherein

the aryl and/or alkyl group(s) in R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>12</sub> and R<sub>13</sub> may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b)  $-Y-C_{1-6}$  alkyl;
  - -Y-arvl:
  - -Y-C-1-6 alkylaryl;
  - $-Y-C_{1-6}$ -alkyl-NR<sub>14</sub>R<sub>15</sub>;

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 20 of 31

 $-Y-C_{1-6}$ -alkyl-W-R<sub>16</sub>;

wherein Y and W are independently selected from the group consisting of -CH<sub>2</sub>-, -O-, -N(H), -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

 $R_{16}$ ,  $R_{17}$ , and  $R_{18}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, and carboxyl; and

 $R_{14}$  and  $R_{15}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl; or

 $R_{14}$  and  $R_{15}$  are taken together to form a ring having the formula  $-(CH_2)_0$ -Z- $(CH_2)_p$ -bonded to the nitrogen atom to which  $R_{14}$  and  $R_{15}$  are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z is a direct bond,  $-CH_2$ -, -O-, -S-,  $-S(O_2)$ -, -C(O)-, -C

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 21 of 31

 $R_{19}$  and  $R_{20}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl.

62. (Previously Presented) The compound of Formula (I) in claim 61 or a pharmaceutically acceptable salt thereof,

wherein

$$G_1$$
 is  $-CH_2$ -

 $G_2$  is

wherein

R<sub>6</sub> is

- i) –H;
- ii) -C<sub>1-6</sub> alkyl; or
- iii) -C(O)-O-C<sub>1-6</sub> alkylcycloalkylaryl;

 $R_1$  is -H;

R<sub>2</sub> is

Express Mail No. EV 841058568 US Amendments and Response App. Ser. No. 10/091,759 Page 22 of 31

$$- \bigcirc C_1 - C_6 - alkyl$$

R<sub>3</sub> is -H; and

R<sub>4</sub> is

a) 
$$-C_{1}-C_{6}-alkyl-\sqrt{\sum_{L-C_{1}-C_{6}-alkyl-N(alkyl)_{2}}}L-C_{1}-C_{6}-alkyl-N(alkyl)_{2}$$

b)
$$-C_1-C_6-alkyl-O-C_1-C_6-alkyl-N(alkyl)_2$$

$$L-C_1-C_6-alkyl-N(alkyl)_2$$

$$L-C_1-C_6-alkyl-N(alkyl)_2$$

$$L-C_1-C_6-alkyl-N(alkyl)_2$$

c) 
$$L-C_1-C_6$$
-alkyl-N(alkyl)<sub>2</sub>  $L-C_1-C_6$ -alkyl-N(alkyl)<sub>2</sub>

wherein L is -CH<sub>2</sub>-, -O-, -N(H)-, -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

 $R_{36}$  and  $R_{37}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl;

and wherein

the aryl and/or alkyl group(s) in R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>12</sub> and R<sub>13</sub> may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b)  $-Y-C_{1-6}$  alkyl;
  - -Y-aryl;
  - -Y-C-<sub>1-6</sub> alkylaryl;
  - $-Y-C_{1-6}$ -alkyl-NR<sub>14</sub>R<sub>15</sub>;
  - -Y-C<sub>1-6</sub>-alkyl-W-R<sub>16</sub>;

wherein Y and W are independently selected from the group consisting of -CH<sub>2</sub>-, -O-, -N(H), -S-, SO<sub>2</sub>-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO<sub>2</sub>-, -SO<sub>2</sub>N(H)-, -C(O)-O-, -NHSO<sub>2</sub>NH-, -O-CO-,

$$R_{17}$$
  $R_{17}$   $R_{17}$  and  $R_{17}$   $R_{18}$ 

 $R_{16}$ ,  $R_{17}$ , and  $R_{18}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylaryl,  $C_1$ - $C_6$  alkoxy, and  $C_1$ - $C_6$  alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

 $R_{14}$  and  $R_{15}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl; or

 $R_{14}$  and  $R_{15}$  are taken together to form a ring having the formula  $-(CH_2)_0$ -Z- $(CH_2)_p$ -bonded to the nitrogen atom to which  $R_{14}$  and  $R_{15}$  are attached, wherein o and p are,

independently, 1, 2, 3, or 4; Z is a direct bond,  $-CH_2$ -, -O-, -S-,  $-S(O_2)$ -, -C(O)-, -C(O)-, -C(O)-, -NHC(O)-, -NHC(O)-,  $-NHSO_2$ -,  $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-,  $-NHSO_2$ NH-,

 $R_{19}$  and  $R_{20}$  are independently selected from the group consisting of hydrogen, aryl,  $C_1$ - $C_6$  alkyl, and  $C_1$ - $C_6$  alkylaryl.

- 63. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 4 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 64. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 5 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 65. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 11 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 66. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 12 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.

App. Ser. No. 10/091,759

Page 25 of 31

- 67. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 13 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 68. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 18 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 69. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 19 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 70. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 20 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 71. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 21 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 72. (Previously Presented) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 22 or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers, excipients, or diluents.